

## EAST Search History

| Ref # | Hits | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------------|------------------|---------|------------------|
| L1    | 2983 | ((138/89) or (139/93)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/07/18 16:20 |
| L2    | 7    | ((("4465104") or ("5029614") or ("4991651") or ("4854384") or ("5458149") or ("5224516") or ("4982764"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/07/18 16:32 |
| L3    | 8    | ("2786489"   "3561490"   "3593749"   "3902528"   "4077435"   "4332277"   "4465104").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/07/18 16:22 |
| L4    | 17   | ("3107696"   "3381714"   "3483895"   "3593749"   "3746026"   "3943982"   "3978678"   "4272984"   "4332277"   "4352394"   "4422477"   "4465104"   "4611658"   "4658860").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/07/18 16:22 |
| L5    | 42   | ("1400701"   "1662429"   "2545102"   "2924966"   "2959226"   "3011555"   "3107696"   "3162505"   "3196686"   "3381714"   "3483734"   "3483895"   "3593749"   "3675949"   "3837214"   "3886977"   "3943982"   "4026329"   "4083230"   "4141413"   "4272984"   "4296806"   "4305277"   "4332277"   "4352394"   "4381800"   "4422477"   "4423754"   "4465104"   "4611658").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/07/18 16:24 |
| L6    | 36   | ("2121050"   "2286365"   "2350973"   "2373005"   "2711795"   "2929453"   "2963091"   "3191682"   "3209832"   "3364997"   "3378078"   "3399726"   "3456723"   "3468258"   "3556220"   "3714983"   "3750749"   "3785436"   "3807894"   "3977473"   "4044826"   "4059150").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/07/18 16:25 |
| L7    | 6    | ("3011555").URPN.   | USPAT                        | OR               | OFF     | 2006/07/18 16:29 |
| L8    | 1    | ("4352394").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/07/18 16:29 |
| L9    | 15   | ("4352394").URPN.   | USPAT                        | OR               | OFF     | 2006/07/18 16:29 |
| L10   | 3    | ("3943982"   "3978892"   "4332277").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/07/18 16:31 |
| L11   | 13   | ("4465104").URPN.   | USPAT                        | OR               | OFF     | 2006/07/18 16:31 |

## EAST Search History

|     |         |   |                              |    |     |                  |
|-----|---------|---|------------------------------|----|-----|------------------|
| L12 | 518497  | plug  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:32 |
| L13 | 482414  | piston  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:33 |
| L14 | 210126  | wedge   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:33 |
| L15 | 85745   | 12 and 13   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:33 |
| L16 | 4456    | 14 and 15   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:33 |
| L17 | 1051305 | rod   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:33 |
| L18 | 2739    | 16 and 17   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:33 |
| L19 | 13      | 1 and 18  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:35 |
| L20 | 2388578 | plate or plates   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:35 |
| L21 | 890594  | end with 20   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:36 |
| L22 | 1270    | 18 and 21   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:42 |
| L23 | 129     | 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9<br>or 10 or 11 or 19 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:42 |
| L24 | 2950    | 1 not 23  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:42 |
| L25 | 126     | 24 and 13   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:43 |
| L26 | 362     | 24 and 21   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:42 |

## EAST Search History

|     |      |  |                              |    |     |                  |
|-----|------|--|------------------------------|----|-----|------------------|
| L27 | 150  | 24 and 14  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:42 |
| L28 | 3    | ((("4272984") or ("3837214") or ("4422477")).PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:54 |
| L29 | 255  | 25 or 23 or 28                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:54 |
| L30 | 140  | 27 not 29  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:56 |
| L31 | 395  | 27 or 29   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 16:56 |
| L32 | 283  | 26 not 31  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 17:01 |
| L33 | 678  | 26 or 31   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 17:01 |
| L34 | 2401 | 24 not 33  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/07/18 17:01 |